Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics

Phosphate Mediated Adsorption and Electron Transfer of Cytochrome *c*. A Time-Resolved SERR Spectroelectrochemical Study

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Supplementary Information

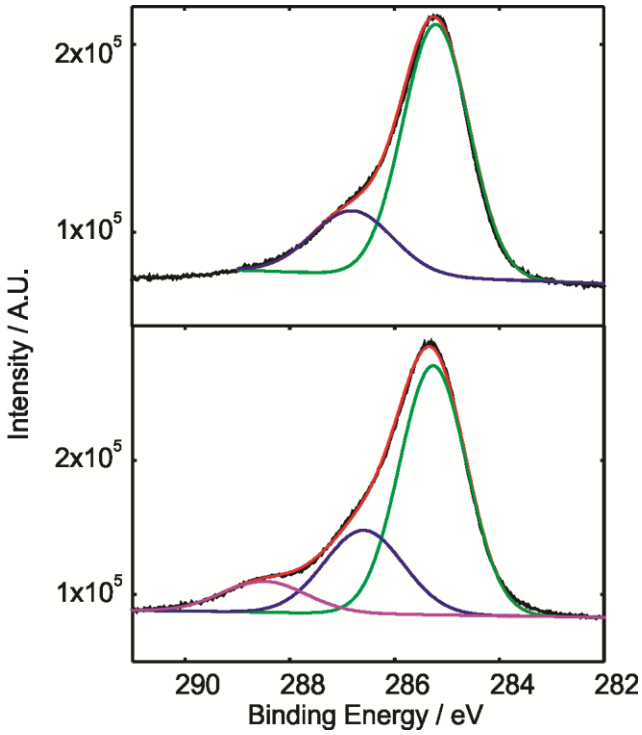

Figure SI1. C1s XPS spectra of $(NH_2)_{0.5}$ $(OH)_{0.5}$C6 SAM modified gold electrode incubated overnight in 0.5M ATP (top) and 1mM Cyt in 0.5M ATP solution (bottom).

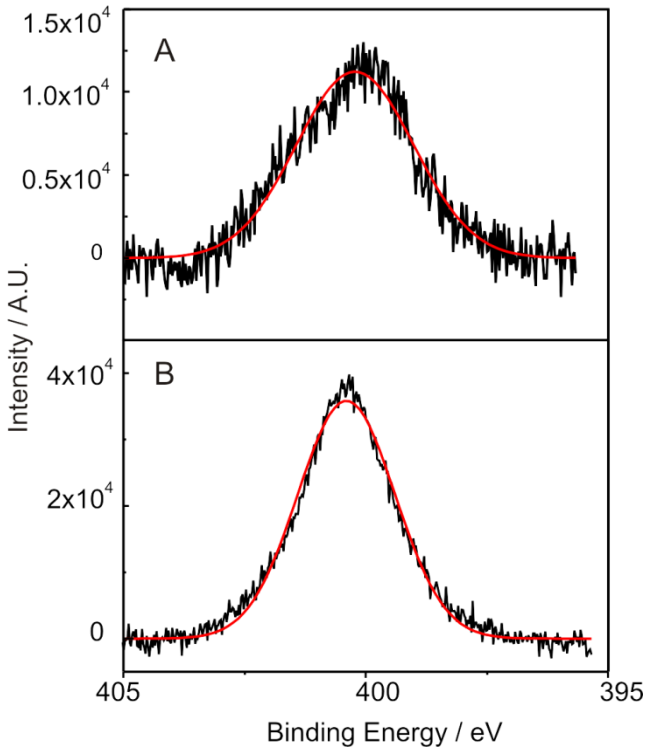

Figure SI2. C1s XPS spectra of $(NH_2)_{0.5}$ $(OH)_{0.5}$C6 SAM modified gold electrode incubated overnight in 0.5M ATP (top) and 1mM Cyt in 0.5M ATP solution (bottom).

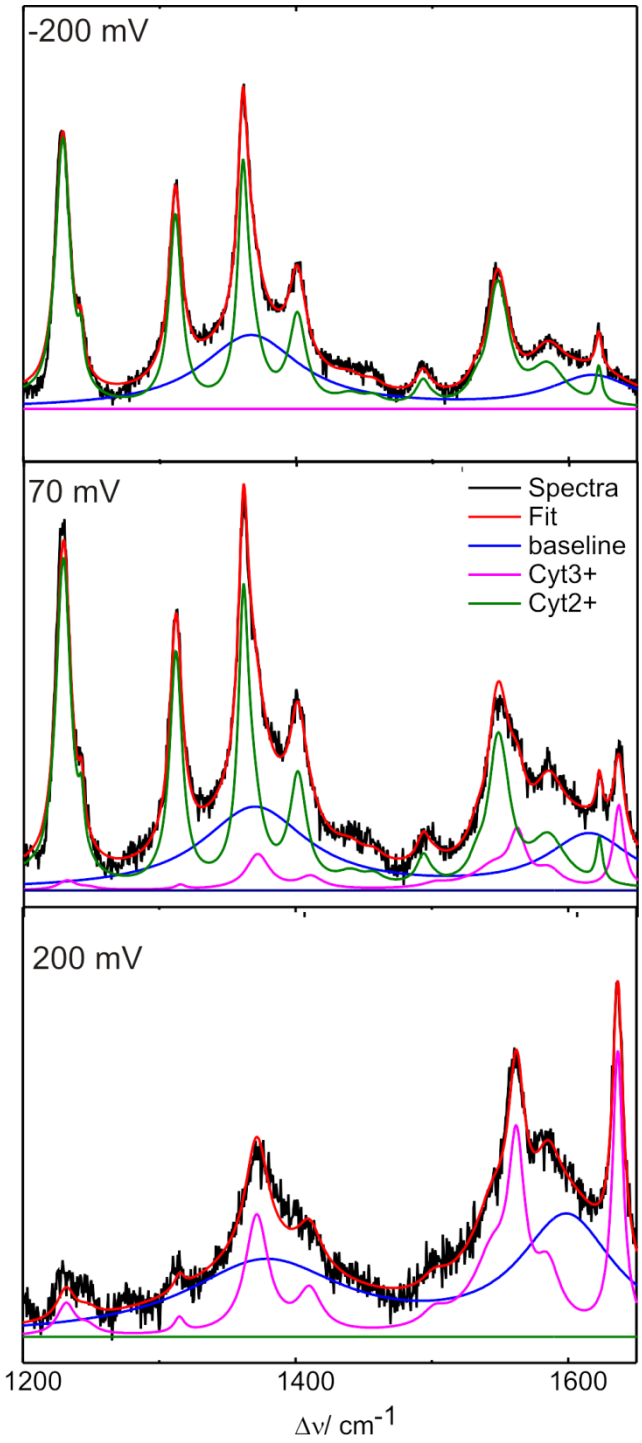

Figure SI3. Component analysis of SERR spectra of Cyt on NH_2-C6 SAM coated silver electrode at three different applied potentials. The components were obtained from RR spectra of Cyt^{2+} and Cyt^{3+}.

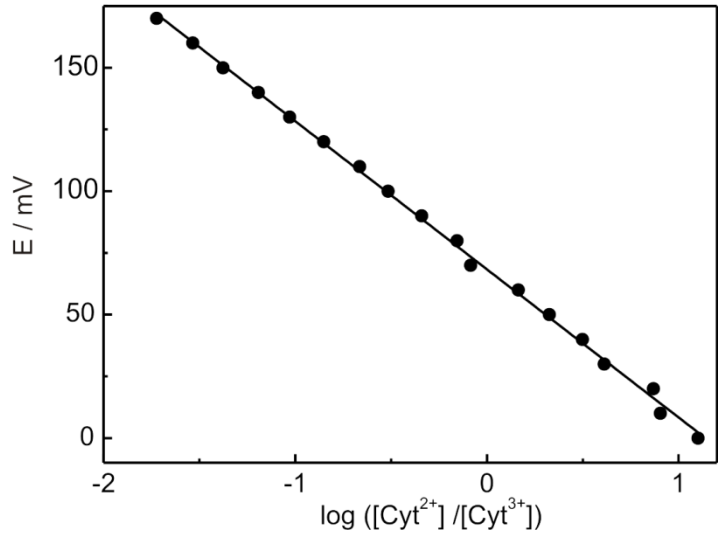

Figure SI4. Nernst plot for Cyt on NH_2-C6 SAM coated silver electrode. Relative concentrations of reduced and oxidized forms were obtained by component analysis as indicated in Figure SI3.

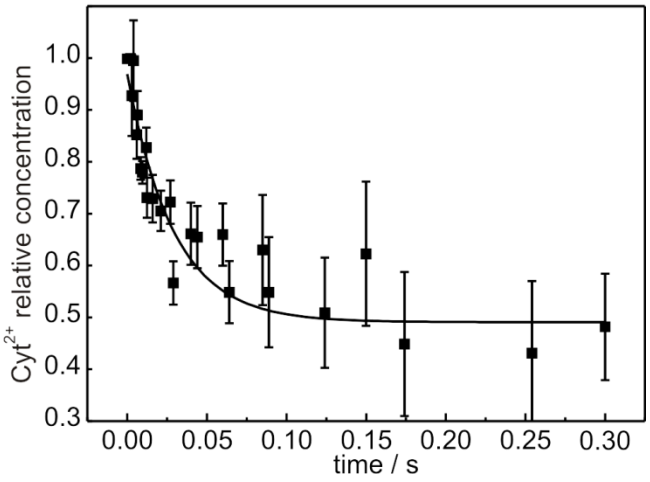

Figure SI5. Time dependence of relative concentration of Cyt^{2+} after a potential jump from -100mV to the redox potential for Cyt on NH_2-C6 SAM coated silver electrode. Data of two independent experiments are included and fitted to a monoexponential decay function.